


1913.

THE TWENTY-NINTH
ANNUAL REPORT
OF THE
Medical Officer of Health
FOR THE
URBAN DISTRICT OF CROMER,
TOGETHER WITH
THE REPORTS
OF THE
SANITARY INSPECTOR AND SURVEYOR,
THE FIRE BRIGADE,
AND
THE WATERWORKS DEPARTMENT.

T. CHEVERTON, BOND ST., CROMER.

1914.



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REPORT

OF THE

Medical Officer of Health

For the Year ending 31st December, 1913.

CROMER,
17TH FEBRUARY, 1914.

GENTLEMEN,

Though the past year was remarkable for the extraordinary low rainfall, yet there were no great extremes of heat or drought and on the whole the temperature was very equable.

The rainfall for the whole year was 16·20 inches on 203 days, as compared with 32·34 inches on 255 days in 1912, and is the lowest on record.

On the 30th June there were 995 houses inhabited, as compared with 983 on the 1st October, 1912.

Under the Housing (Inspection of District) Regulations, 1910, I have visited with the Sanitary Inspector 22 houses; total visited up to date, 360, of this number 209 were satisfactory

The estimated number of houses in the District under £16 rental was 446, the estimated number coming within the Act (New Tenancies) being 202 at 31st March, 1913.

STATEMENT

required by Article 5 of the Housing (Inspection of District) Regulations, 1910, in regard to the inspection of dwelling-houses under Section 17 of the Housing, Town Planning &c. Act, 1909.

No. of dwelling-houses inspected under and for the purposes of the Section	22
No. of such dwelling-houses which were considered to be in a state so dangerous or injurious to health as to be unfit for human habitation	0
No. of dwelling-houses in respect of which representations were made to the local authority with a view to the making of closing orders ...	0
No. of dwelling-houses in respect of which closing orders were made by the local authority ...	0
No. of dwelling-houses the defects in which were remedied without the making of closing orders	36
No. of dwelling-houses which, after the making of closing orders, were made fit for human habitation	0

GENERAL CHARACTER OF THE DEFECTS FOUND TO EXIST IN THE
DWELLING HOUSES INSPECTED.

Ceiling defective	1
Floor „	1
Roof „	1
W.C. pan „	1
Flushing apparatus to W.C. defective	1
Rain water guttering etc. defective	1
W.C. no proper ventilation	1
Yard required paving	2
Houses damp	6
Habitable room with insufficient ventilation ...	1
	<hr/>
	16
	<hr/>

During the earlier months of the year many complaints arose about the appearance of the water which, though of great purity, contains sufficient iron to render it objectionable in appearance, as the following reports shew.

CROMER WATERWORKS, METTON PUMPING STATION.
UNFILTERED WATER.

The sample was slightly cloudy and faintly coloured with Oxide of Iron. The taste and smell were normal.

				Grains per gallon
Total Solids	...	...	...	24·36
Chlorine	...	...	...	2·15
				Parts per 100,000
Free Ammonia	...	...	...	0·007
Albuminoid Ammonia	...	...	...	Trace
Oxygen absorbed	...	...	...	Trace
Nitrogen as Nitrites	...	...	...	Nil
Nitrogen as Nitrates	...	...	...	Nil
Hardness	...	...	...	14·5
Iron	...	...	...	0·13 grains per gallon.

You therefore decided, after consultation with your Engineers, to erect four Candy Filters, which are now in working order.

The following report on the filtered water shews the result.

CROMER WATERWORKS, METTON PUMPING STATION.
FILTERED WATER.

The sample was clear and colourless and the taste and smell were normal.

				Grains per gallon
Total solids	...	...	...	24·08
Chlorine	...	...	...	2·15
				Parts per 100,000
Free Ammonia	...	...	...	0·007
Albuminoid Ammonia	...	...	...	Trace
Oxygen absorbed	...	...	...	0·01
Nitrogen as Nitrites	...	...	...	Nil
Nitrogen as Nitrates	...	...	...	Nil
Hardness	...	...	...	14·5
Iron	...	...	...	Trace

Under the Dairies, Cowsheds and Milkshops Order I have with the Sanitary Inspector made a general inspection, visiting ten. The fish shops have also been visited.

Under the Sale of Food and Drugs Act no action has been necessary.

The drainage and sewerage of the town has been satisfactory.

The continued use of the Destructor has been most satisfactory, there being no tipping and all the refuse of the town being satisfactorily disposed of by being burnt.

The sanitary arrangements of the County Schools have been inspected by the Sanitary Inspector and myself and found satisfactory.

INFECTIOUS DISEASES.

I have to report that during this year there was an increase of notifiable cases.

Twelve cases of Scarlet Fever were notified and all removed to the Isolation Hospital, except one which occurred early in the year and was sufficiently isolated in a large house. The next case arose six weeks afterwards, before the former was allowed out. All those, seven in number, occurring in June and beginning July, with the exception of two visitors, were probably infected at school. No other case was notified until the beginning of November. The last case in December was the sister of one of the earlier cases, where it was impossible to obtain satisfactory disinfection as her brother was running about the house, when removed to the Isolation Hospital, and acknowledged that he had recently put on a jersey he was wearing in July.

Thirteen cases of Diphtheria were notified, two cases occurring early in May, the rest in the last quarter of the year, the latter outbreak arising mostly, at first, in the children of one class in the school, the first case having returned from London shortly before he was notified. With the County School Medical Officer, we visited the class and excluded all those who were suspicious cases until they were proved free from Diphtheria Bacilli by bacteriological tests, the rest of the class were excluded for four days. Two cases occurring in adults were isolated at home, 6 cases in the Hospital and the rest being isolated at home with no ill effect.

Three cases of Erysipelas were notified.

Three cases of Enteric Fever were notified, the first was removed to the Isolation Hospital as her home was full and the child had to sleep with her grandmother, no isolation being possible, though no cause was ascertained and the Widal reaction was negative. The next case was too ill to be removed as far as the Isolation Hospital, but was admitted into the Cottage Hospital, where she died next day after a short illness, no cause ascertained, Widal test negative, without a post-mortem. The other case occurred in a visitor who had been only ten days in Cromer and had eaten watercress seventeen days before notification.

THE ISOLATION HOSPITAL

has been open almost continuously for the last nine months of the year, a case of measles having been admitted in the beginning of March. Nineteen cases in all have been treated with an average period of detention of 31 days.

During this year I have been able to admit cases of Enteric, Measles, Diphtheria and Scarlet Fever, avoiding the simultaneous treatment of two diseases as far as possible, which I was fortunately able to do, and by careful disinfection of wards etc. with no bad results.

I have much pleasure in reporting that the care and kind attention of the Nurse Matron, Miss Lapham, has materially assisted both to the above result and the general satisfaction shewn by the happiness of the little patients while under her charge and their unwillingness to leave; needless to add that I have received no complaint. She has had the assistance of temporary nurses when necessary as well as a new probationer.

In connection with the working of the Isolation Hospital I wish to bring again to your notice the necessity of having telephonic communication with Cromer in case of emergencies.

Under the Public Health (Tuberculosis) Regulations, 1908, The Public Health (Tuberculosis in Hospitals) Regulations, 1911, and the Public Health (Tuberculosis) Regulations, 1911, I have received 5 notifications, all of whom resided in Cromer, three having only recently come. One of these died while receiving Domiciliary treatment under the National Health Insurance Act. I have made the necessary visits and given necessary instructions for the prevention of infection.

In all cases of an infectious character the bacteriological tests have been applied.

One case of a Hotel Manager aged 31 was notified as a case of Cerebro-Spinal Meningitis after Influenza the day before his death ; the room and bedding were thoroughly disinfected.

Under the Factory and Workshop Act, 1901, with the Sanitary Inspector I made one general inspection and have visited nineteen. Defects found—

No sanitary convenience	...	...	1
Insanitary condition of premises	...	...	1

I have to report that the Mortuary has been twice used.

THE POPULATION

estimated in the usual way for the middle of the year shews an increase of 13, being 4338, as compared with 4325 in 1912.

THE BIRTH RATE

is 16·1 per 1000 population as compared with 15·7 in 1912. The provisional figures for England and Wales are 23·9 per 1000 population.

THE NETT DEATH RATE

is 8·3 per 1000 population as compared with 8·5 per 1000 population in 1912 ; by the aid of a factor supplied by the County Medical Officer of Health the Standardized Death Rate is 8·5 as compared with 8·7 for 1912.

The provisional figures for England and Wales are : Crude Death Rate 13·1, the Standardized 12·1.

The Standardized Death Rate (formerly called the corrected death rate) is the rate which would have been recorded had the sex and age constitution of the population of the several areas been identical with that of England and Wales as enumerated in 1901.

The Infantile Mortality is 85·7 per 1000 nett births registered as compared with 88·2 in 1912.

VITAL STATISTICS.

Area	...	1007 acres.
Population		4338. (Census 1911, 4073)
Inhabited Houses		995.
Rateable Value		£36,460 15 0.

BIRTHS.

Males 35, Females 35, Total 70 (no illegitimate).

DEATHS.

Registered deaths, 42, Nett, 36. Males, 17, Females, 19.
 Nett Death Rate, 8·3 per 1000 population.

DEATHS AT DIFFERENT AGES.

Under 1 year	...	...	6
Over 5 „ and under 15 years	...		2
„ 25 „ „ 45 „	...		5
„ 45 „ „ 65 „	...		7
„ 65 and upwards	...	...	16
			—
			36
			—

INFANTILE MORTALITY.

6 deaths under one year ; 85·7 per 1000 births registered,
 1·38 per 1000 population.

PULMONARY TUBERCULOSIS.

3 deaths ; 0·69 per 1000 population, 83·3 per 1000 deaths.

CANCER.

3 deaths ; 0·69 per 1000 population, 83·3 per 1000 deaths.

ZYMOTIC DISEASES.

1 death from Enteric Fever, 0·23 per 1000 population,
 27·0 per 1000 deaths.

CAUSES OF DEATH.

Enteric Fever	1
Pulmonary Tuberculosis ...	3
Tuberculous Meningitis ...	1
Cancer	3
Meningitis, Cerebro-spinal ...	1
Organic Heart Disease ...	4
Pneumonia	3
Diarrhœa and Enteritis ...	1
Cirrhosis of Liver ...	1
Congenital Debility & Malformation including Premature Birth ...	4
Violent deaths, excluding Suicide...	1
Suicide	1
Other defined diseases ...	12
	—
	36
	—

In conclusion I must thank Mr. Croome for his ever ready assistance.

I am, Gentlemen,

Yours obediently,

R. C. M. COLVIN-SMITH, M.B., B.C., B.A.,
M.R.C.S., L.R.C.P.,

*Fellow of the Society of Medical Officers of Health,
Medical Officer of Health.*

Vital Statistics of Whole District during 1913 and Previous Years.

Year.	Population estimated to Middle of each Year.	Births.			Total Deaths registered in the District.		Transferable Deaths.		Nett Deaths belonging to the District.			
		Un-corrected Number.	Nett.		Number	Rate.†	of Non-residents registered in the District. 8	of Residents registered in the District. 9	Under 1 Year of age.		At all Ages.	
			Number.	Rate †					Number.	Rate per 1000 Nett Births	Number.	Rate.†
I	2	3	4	5	6	7			10	11	12	13
1908	4,105	64		15.5	41	9.9	6		14	218.7	35	8.5
1909	4,175	91		21.7	35	8.3	2		4	43.7	33	7.9
1910	4,263	81		19.0	28	6.6	2		1	12.3	26	6.1
1911	4,347	63	64	14.7	43	9.8	3	2	7	109.3	42	9.6
1912	4,325	68	68	15.7	41	9.4	6	2	6	88.2	37	8.5
1913	4,358	70	70	16.1	42	9.4	9	3	6	85.7	36	8.3

† Rates in Columns 5, 7, and 13, calculated per 1,000 of estimated population

Total Population at all ages, 4,073.

Number of Inhabited Houses, 934.

Average Number of Persons per House, 4.36

Area of District in Acres (exclusive of area covered by water), 1,007.

At Census of 1911.

CASES OF INFECTIOUS DISEASE NOTIFIED.

Notifiable Disease.	At all Ages.	Age under 1.	Age 1 to 5.	Age 5 to 15.	Age 15 to 25.	Age 25 to 45.	45 and under 65	Total removed to Hospital
Diphtheria ...	13	—	2	8	2	1	—	6
Erysipelas ...	3	—	—	1	—	—	2	—
Scarlet Fever	12	—	3	8	1	—	—	11
Enteric Fever	3	—	—	1	—	2	—	1
Cerebro-spinal Meningitis	1	—	—	—	—	1	—	—
Totals ...	32	—	5	18	3	4	2	18

CAUSES OF, AND AGES AT, DEATH.

Causes of Death.	All Ages.	Under 1 year.	1 and under 2.	5 and under 15	25 and under 45.	45 and under 65.	65 and up-wards	Total deaths whether of residents or non-residents in institutions in district
Enteric Fever ...	1	...	..	...	1	...	...	1
Phthisis (Pulmonary Tuberculosis) ...	3	...	...	...	1	2	...	...
Tuberculous Meningitis	1	...	...	1	...	..	...	...
Cancer, malignant disease ...	3	...	..	...	...	1	2	...
Meningitis ...	1	...	...	..	1	...	...	...
Organic Heart disease	4	..	...	...	...	1	3	...
Pneumonia ...	3	1	...	...	...	1	1	...
Diarrhœa & Enteritis	1	1	...	...	...	...	...	...
Cirrhosis of Liver	1	...	...	...	1	...	...	...
Congenital Debility	4	4	...	...	...	..	...	1
Violent Deaths excluding Suicide	1	...	...	...	1	...	...	2
Suicide ...	1	...	...	...	...	1	...	...
Other defined diseases ...	12	...	...	1	...	1	10	3
All causes { certified uncertified	35 1	6	...	2	5	7	15 1	7

Cerebro-spinal
Meningitis

1

1

INFANT MORTALITY DURING THE YEAR 1913.

Cause of Death	Under 1 Week.	1-2 Weeks.	Total under 1 Month.	1-3 Months.	3-6 Months.	6-9 Months.	Total Deaths under 1 Year
All Causes certified	3	1	4	1	1		6
Diarrhœa					1		1
Congenital Malformation Premature Birth Atrophy,) Debility,) Marasmus)	3	1					4
Pneumonia				1			1
Other Causes							
Total ...	3	1	4	1	1		6

Nett Births in {
the year

Legitimate 70
Illegitimate 0

Nett deaths in {
the year of

Legitimate Infants 6
Illegitimate Infants 0

Cromer Weather Report.

ELEVENTH ANNUAL REPORT.

The year 1913 was comparatively free from extraordinary occurrences, but a considerable reduction in rainfall and a substantial increase in sunshine are matters for congratulation.

ATMOSPHERIC PRESSURE.

The mean of 29.95 inches was slightly higher than that of last year. The highest and lowest monthly means were respectively February—30.17, and January—29.80 inches. The highest reading was 30.70 on February 12th and the lowest 28.82 on March 19th, giving a range of 1.88 inches—exactly the same as 1912.

SHADE TEMPERATURE.

The Mean Shade Temperature of 50.1 degrees was 1.1 degrees above that of 1912 and only slightly lower than in 1911. September was the warmest month with 59.3 degrees and compares with 61.4 of July last year. The extreme of 80 degrees on May 30th was 4.7 degrees lower than July 12th, 1912. The coldest month was January with 39 degrees and the lowest reading was 24 degrees on the 14th of that month.

SUNSHINE.

The total for the year shows the substantial increase of 113½ hours. May and June together gave 370 hours against 330 hours of the previous year, and September showed an increase of 31 hours.

RAINFALL.

The total fall of 16·2 inches was low and only about half of the very high figure for 1912, and the number of rainy days was less by about one day per week. The heaviest fall was 2·68 inches in October, the least 0·44 inch in December, and the extreme 0·62 inch on May 27th.

W. H. ARCHER,

Observer.

1913.	Barometer. Mean.	Dry Bulb. Mean.	Wet Bulb. Mean.	RAINFALL.					SHADE TEMPERATURE			Sunshine Hours.
				Maximum Day's Rain.	Date of Maximum	Total Fall.	Rainy Days.	Maximum. Deg.	Minimum. Deg.	Mean. Deg.		
January ...	Inches. 29.80	Deg. 38.3	Deg. 37.8	Inches. 0.59	11	Inches 2.24	No. 24	Deg. 44.1	Deg. 34.1	Deg. 39.1	Total. 44.7	
February ...	30.17	39.3	38.3	0.15	2	0.50	12	46.8	35.5	41.2	81.1	
March ...	29.83	42.3	41.3	0.46	16	1.81	21	50.3	37.8	44.0	114.2	
April ...	29.86	44.8	43.5	0.42	11	1.68	18	52.6	40.3	46.5	143.4	
May ...	29.91	52.4	50.6	0.62	27	1.66	15	60.8	47.0	53.9	166.8	
June ...	30.06	56.4	54.2	0.15	24	0.38	12	65.2	49.8	57.6	203.4	
July ...	30.05	55.6	54.3	0.26	14	1.07	17	61.6	51.5	56.6	104.7	
August ...	30.05	57.7	55.5	0.14	23	0.63	11	65.9	52.5	59.2	195.6	
September...	29.99	57.9	56.3	0.41	14	1.12	15	65.0	53.5	59.3	151.7	
October ...	29.88	51.7	50.8	0.56	26	2.68	19	59.0	48.5	53.8	111.3	
November...	29.85	46.5	45.4	0.36	13	1.69	22	52.9	42.8	47.9	84.2	
December ...	30.03	40.6	39.5	0.10	26	0.44	17	45.9	37.3	41.6	39.7	
Totals ...	...	...	...	...	...	16.20	203	...	...	...	1440.8
Means ...	29.956	48.7	47.3	...	...	1.35	17	55.8	44.2	50.1	...
Year 1912...Totals ...	...	...	...	...	...	32.34	255	...	...	...	1327.3
Means ...	29.8	48.3	47.0	...	...	2.69	21	55.1	43.2	49.0	...

W. H. ARCHER, *Observer.*

REPORT

OF

The Sanitary Inspector

For the Year ending December 31st, 1913.

To the Chairman and Members of the Sanitary Committee.

GENTLEMEN,

The appended tables of the Sanitary Work done during 1913 will give all information necessary to show the work which has been attended to by me, as your Sanitary Inspector, but attention may be called to the following points.

HOUSING ACT, 1909.

I have inspected, with the Medical Officer of Health, 22 additional premises, of which 12 were in a satisfactory condition. 36 houses were put into order, bringing the total number of premises where the required repairs have been completed to 100, out of 151 found defective.

In only one case has it been necessary to serve a notice under the Act, and the work in this instance has been put right by practically rebuilding the premises concerned; in connection with this work no less than 64 visits and inspections had to be made during the year.

Of the 51 premises still on the books, 4 are now unoccupied and a scheme for the rebuilding or alteration of 4 others is in hand. The whole of the remaining are receiving attention.

FACTORY & WORKSHOPS ACT, 1901.

I have made with the Medical Officer of Health one general inspection and all were found in a satisfactory condition.

One case of the insanitary condition of a workshop was reported by H.M. Inspector of Factories and has been rectified.

INFECTIOUS DISEASES.

In all cases thorough and prompt disinfection was carried out and the drains to the premises concerned tested by smoke. 32 such tests were made, and orders for the correction of any defects discovered at once given.

The old drain testing machine being worn out, a new one has been purchased.

GENERAL.

No proceedings before the Magistrates were required and in only two instances was it necessary to serve a statutory notice.

I would call attention to the present system of the storage of house refuse; in only a small number of premises is a proper sanitary dust tin provided, the remainder consisting of wooden boxes or other unsatisfactory receptacles. This is not only a very insanitary arrangement, but also adds considerably to the cost of collection.

I have the honour to be, Gentlemen,

Your obedient servant,

ROBERT CROOME.

28th January, 1914.

STATEMENT A.

Showing the work done by the Sanitary Inspector during the year ending December 31st, 1913.

	1913	1912
House to house inspections	42	93
Special inspections and investigations of complaints	55	60
Re-inspections etc., to ascertain progress of sanitary and informal orders ...	207	294
Inspections of nuisances &c., discovered ...	32	21
Visits in connection with infectious diseases	343	60
Inspections under the Factory and Workshop Acts	26	15
Re-inspections under the Factory and Workshop Acts	8	12
Visits in connection with dairies and cowsheds	5	10
Visits to the Isolation Hospital	1	1
Visits to caravans	0	0
Premises inspected in Sanitary Census ...	5	5
Re-inspections &c. under orders &c. due to same	6	9
Premises inspected under Housing Act ...	22	85
Re-inspections &c. „ „ „ ...	202	237
	<hr/>	<hr/>
Total	954	902
	<hr/>	<hr/>

	1913	1912
Premises disinfected	29	7
Rooms disinfected	32	11
Insanitary houses reported to M.O.H. ...	0	2
Premises to which smoke test was applied	32	5
Committee meetings attended	17	17
Preliminary notices served	4	4
Legal Notices served	2	1
Defects found by house to house inspections	0	9
„ „ Sanitary Census	2	3
„ „ workshop inspections	2	6
„ „ other inspections	32	21
„ „ Housing Act inspections	16	62
Complaints received at Office	*55	†60

*Of these, 30 were found on investigation to be unfounded.

† „ 23 „ „ „ „ „

Total number of matters dealt with ...	107	161
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STATEMENT B.

Giving details of the 107 matters dealt with.

	1913	1912
Overcrowding	2	3
Flushing apparatus to W.C's defective ...	3	8
Sink and bath wastes defective	3	9
Collection and storage of house refuse ...	10	21
Sanitary conveniences in bad condition ...	1	1
Rain water guttering &c. defective ...	1	7
Habitable room with insufficient window ...	1	6
„ „ „ ventilation	1	1
Removal of swill	0	1
Removal of manure &c.	2	7
Drains choked	9	10
Drains defective	14	10
Street Gullies	0	1
Defective air inlet to drains	3	1
„ ventilation shafts to drains ...	9	1
No sanitary conveniences	1	1
Fowls	2	0
Pig keeping	0	1
Fish	0	1
Insanitary premises	2	3
Sanitary condition of yards	4	2
No air inlet to drains	0	3
Stables	1	1
Sanitary condition of premises	2	3
Accumulation of refuse	2	4
W.C. no proper ventilation	1	5
Rainwater downpipe untrapped	1	0
Roof defective	1	1
Floor „	1	3
Staircase „	0	2
Defective manhole cover	1	0
Non-notifiable diseases	3	6
Yard unpaved	2	12
Insanitary sleeping room	0	1
Cowsheds and dairies	0	1
Ceiling defective	1	0
Sundry complaints investigated	6	9
W.C. defective pan	4	0
Smoke nuisance	2	2
Fish bait	1	1
Dampness of premises	8	4
Insufficient sanitary accommodation ...	1	0
Defective cesspool	0	1
„ privy	0	2
„ water supply	0	3
Water in basement	1	3
Total	107	161

STATEMENT C.

Showing the work done under the "Sanitary Census":—

			1913	1912
Premises visited	...	...	5	5
Defects discovered	...	...	2	3

STATEMENT D.

Showing the work under the Dairies, Cowsheds and Milkshops
Order, 1385 :—

			1913	1912
Dairies on Register	...	...	8	6
Cowsheds on Register	...	...	4	3
Number of inspections and visits	...	...	5	10

STATEMENT E.

Showing the work under the Factory and Workshop
Acts :—

			1913	1912
Factories on Register	...	...	7	8
Workshops on Register	...	...	43	42
Workplaces on Register	...	...	2	1
Number of inspections	...	...	26	15
Number of re-inspections	...	...	8	12

DEFECTS DISCOVERED.

Insanitary condition of premises	...	...	1
No sanitary convenience	...	...	1
Number of notices served	...	...	3
Number of notices received from H.M. Inspector	...	...	2

STATEMENT F.

Showing the work under the Housing Act, 1909 :

	1910	1911	1912	1913	Total
Number of houses inspected	45	208	85	22	360
„ „ found satisfactory	20	127	50	12	209
„ „ in which defects were found	25	81	35	10	151
Number of houses where required work has been completed	0	25	39	36	100
Number of houses carried forward to next year	25	81	77	51	
Number of re-inspections &c., to ascertain progress of informal notices	40	223	237	202	

	No. defective	No. rectified	No. requiring attention
Defective rainwater guttering,			
down pipes etc. ...	32	19	13
Ceilings defective ...	1	1	—
Staircases „ ...	2	—	2
Roofs „ ...	6	3	3
Walls „ ...	2	1	1
Floors „ ...	7	2	5
W.C.'s ...	11	7	4
Yard Gullies „ ...	7	5	2
Walls damp ...	22	7	15
Windows not large enough	12	5	7
W.C's not sufficiently ventilated	15	8	7
Rooms „ „	12	9	3
Gullies to rain water drainage			
wanted ...	2	2	—
Sinks and waste pipes defective	21	15	6
Overcrowding ...	12	12	—
Houses general defective condition	13	9	4
Ventilation shafts not high enough	2	2	—
Yard wants paving ...	32	21	11
Miscellaneous defects ...	2	2	—
No F.A.I. or defective ...	17	12	5
Privy defective ...	1	—	1
Accumulation of refuse ...	1	1	—
Ventilation shaft defective ...	1	—	1
Chimney „ ...	1	—	1
Cesspool „ ...	2	1	1
Water Supply „ ...	3	2	1
Pantry ventilation „ ...	1	—	1
	<hr/> 240 <hr/>	<hr/> 146 <hr/>	<hr/> 94 <hr/>

STATEMENT G.

Number of Notices served, and result of the service of such notices :—

INFORMAL NOTICES	...	...	4
No fresh air inlet	...	...	1
Rectified ...	...	...	1
STATUTORY NOTICES	...	...	2
Defective drainage	...	...	1
Insufficient disinfection	...	...	1
Rectified ...	...	...	2

Report of the Surveyor

For the Year ending December 31st, 1913.

To the Chairman and Members of the Cromer Urban District Council.

GENTLEMEN,

The County Council having considered the linking up of Runton Road and Holt Road, via High Street, or Hamilton Road and Prince of Wales' Road, has decided on the latter scheme under certain conditions, which are now being gone into.

MAIN ROADS.

Holt Road. The West corner at the junction of West Street and Cabbell Road has been improved.

The tar-slag channel has been renewed in front of Chesterfield Villas.

The island opposite the Council Offices has been repaired and the kerb raised.

The footpath from Beach Road to the Old Cemetery has been tarred.

Norwich Road has been coated in tarred slag from Vicarage Road to Newhaven Court Gates.

The path in front of St. Margaret's Terrace has been re-topped.

Overstrand Road has been coated in granite by "Egmere" and also by Cooper's bend.

The east path from Cliff Avenue to Church Street has been re-topped.

Runton Road has been coated in granite from Davies' Gate to the boundary.

The Enderby and Stoney Stanton Granite Co. again secured the tender for the supply of granite.

OTHER ROADS.

Roughton Road has been repaired in flints in various places, but a considerable amount of further work is necessary to put this road into an even fairly satisfactory condition.

Sandy Lane has been coated in flints and a cinder path provided.

St. Margaret's Road Back has been coated in granite.

The provision of gates in the place of the existing stiles in Love Lane is under consideration.

The Jetty Slopes have been tarred, and various places on the Promenade have been repaired for the Protection Commissioners.

The two temporary paths down the Cliffs on the east side of the town have again been maintained.

A scheme was prepared, to cost about £30, for the erection of steps at the base of the Lighthouse Hills for the purpose of improving the approach to the Beach at this spot. Owing to the unsatisfactory state of the cliffs they were not erected.

Harbord Road, Overstrand, has been tarred at the cost of Lady Battersea.

The question of laying out the Marrams as an open space is under consideration and the necessary surveys have been made.

A scheme for the widening of Loudon Lane at an estimated cost of £1300 was considered, the owners concerned having agreed to give up the necessary land and to allow the existing buildings to be pulled down on the south side, under certain conditions ; but the matter has been postponed for discussion to a later date.

The necessary retaining wall to the West Cliff Path having been completed by the Protection Commissioners, the tar paved path has been renewed by the Council.

The Suffield Park approach to the Great Eastern Railway Station has been altered and improved by the Company, and at the request of the Council the Company have arranged for a path for foot-passengers.

The tar paved paths in various parts of the town have been repaired.

The widening of Tucker Street in front of some cottages adjoining the Churchyard which are to be demolished is under consideration.

ROAD IMPROVEMENT ACT, 1909.

The widening of Overstrand Road from Northrepps Road to the boundary, a distance of 570 yards, is under consideration. The owner has consented to give the necessary land.

The widening of the dangerous bends on the same road from Mill Road to Mr. Barclay's Farm is also advanced another stage. The estimated cost of this work is about £1200.

PRIVATE STREET WORKS.

Plans, Specifications and Estimates have been prepared for the following works :—

Northrepps Road (widened portion). This included a 12" Surface Water Sewer. The work is now nearly completed by direct labour ; the estimated cost was £119 : 16 : 7.

Harbord Road and Station Road Back Passage (portion only). The consideration of this work was postponed to the new year. (Estimated cost £35 : 14 : 0)

St. Margaret's Road has been made up by direct labour, but is not quite completed. (Estimated cost £172 : 18 : 6)

Mill Road Back Passage from Clare Road to Mill Road has been made up by direct labour at a cost of £53 : 15 : 11 (Estimated cost £55 : 2 : 6).

The question of the provision of a pathway between Rosebery Road and Connaught Road is under consideration.

A proposal to make up the top widened portion of Love Lane at a cost of £40 was discussed.

An underground telephone service has been laid from the Exchange in Church Street to Cliff Road and also a short distance up Mill Road. The necessary re-instatement of the roads has been done.

STEAM ROLLER.

The Steam Roller has worked 42 days, compared to 42½ in 1912, and 66¼ in 1911.

BREAKING UP STREETS.

The following permissions have been granted :—

	1913	1912	1911
The Gas Co. ...	20	50	105
The Electricity Supply Co. ...	11	15	14
The Water Department ...	1	2	4
Builders and others ...	16	18	6
	<hr/> 48	<hr/> 85	<hr/> 129
Hoardings and Scaffolding ...	<hr/> 1	<hr/> 2	<hr/> 2

TAR PAINTING.

The only additional length of Main Road treated to that in 1912, was Holt Road from Beach Road to Sandy Lane.

The County Council again declined to pay the whole cost of tar painting, so the greater length of the main roads were not treated. I can only point out as in my previous reports that tar painting in this District is fairly a maintenance charge, proved by the life of the roads treated. The question is receiving the consideration of the Highways Committee.

The roads maintained by the Council, tar painted in 1912, were again treated with the following additions :—St. Margaret's Road, St. Margaret's Road Back and Hans Place.

I am pleased to say that the tar painted surface of several roads is now in such excellent condition that a further coat of tar next Spring will not be necessary.

STREET WATERING &c.

The amount of water used shows an increase of 78,000 gallons owing to the drier summer and the length of main roads now untarred.

	1913		1912	
	Number of days Water Carts were used.	Gallons of Water used.	Number of days Water Carts were used.	Gallons of Water used
April			18	142,000
May	15	87,200	22	186,700
June	24	189,300	15	123,100
July	20	178,850	18	174,900
August	26	247,100	10	66,800
September	10	76,250	1	7,200
	—		—	
	95	778,700	84	700,700
Flushing sewers and gullies		10,100		5,000
Street washing		10,400		11,500
Total number of gallons		<u>799,200</u>		<u>717,200</u>

STREET SCAVENGING.

The cost of this work was £155 : 1 : 0 ; compared with £140 : 3 : 0 in 1912 and £144 : 2 : 1 in 1911.

SEWERAGE.

The labour at the septic tanks during the year has cost £52 : 4 : 2 ; which includes the cost of cleaning out Tank No. 2. Tank No. 1 will be cleaned out early in the new year.

An additional manhole has been provided to the west corridor to the tanks.

An additional manhole has been built in the St. Margaret's Road sewer.

A defective frame to the storm outlet under the Pier has been renewed and the invert to the pipe damaged by the scour, made good in cement.

The sewer outfall became defective at the Pier Head, owing to the collapse of a pile ; a new pile was driven and the pipe made good temporarily. It will be necessary to relay about 50 feet of the outfall at this point and the necessary ironwork is on order for the work to commence in the spring.

The 48-feet vent shaft on the island by the Wesleyan Chapel was knocked down by a motor car and judgment was obtained in the County Court against the owner for the cost of its renewal. It was decided to re-erect it on the path and the island has been removed.

SURFACE WATER DRAINAGE.

118 yards of 12-inch surface water sewer has been laid in Northrepps Road, by direct labour, at an estimated cost of £70 : 2 : 9.

STREET LIGHTING.

One additional lamp has been erected during the year.

	1913	1912	1911
Ineandeseent Gas Lamps	181	180	180
High Power „ „	1	1	1
Electric Arc Lamps	10	10	10
„ Metallie Filament Lamps	7	7	7
	<hr/> 199 <hr/>	<hr/> 198 <hr/>	<hr/> 198 <hr/>

HORSES.

An additional horse and cart has been purchased during the year.

The total cost of the two horses, including depreciation, provender, shoeing, wages, insurance, rent etc. amounted to £152 : 12 : 7.

The total number of hours worked was 5,359, and the saving in cost, as compared with the old system of hiring, was £27 : 18 : 3.

Messrs. Pallett, Barelay & Co. secured the tender for the supply of provender.

A portion of the existing storeyard buildings has been converted into a hay and corn store. By this provision provender can now be purchased in bulk, and this, together with the reduction in the price of hay and corn, should enable a further saving of £18 to be obtained during the coming year.

FORESHORE.

The following are the details of the receipts from the Foreshore :

	1913			1912			1911		
	£	s.	d.	£	s.	d.	£	s.	d.
Tents	100	12	0	122	2	9	128	16	0
Chairs	133	17	0	86	15	0	45	10	0
Machines	50	0	0	50	0	0	29	18	0
	<hr/>			<hr/>			<hr/>		
	£284	9	0	£258	17	9	£204	4	0
	<hr/>			<hr/>			<hr/>		

14 additional bathing shelters were purchased, bringing the total number to 29.; they again proved very popular.

The receipts and expenditure for the two seasons has been as follows :

	1913			1912		
	£	s.	d.	£	s.	d.
10% depreciation ...	21	19	3	9	18	10
Putting up, taking down, preparing site etc....	14	3	7	10	19	11
Repairs and painting ...	8	13	5	1	10	5
Printing and sundries ...	1	0	4	1	4	6
Labour removing soil after storm				2	11	1
Salary, Collector of Rents ...	4	0	0	3	0	0
	<hr/>			<hr/>		
	£49	16	7	£29	4	9
	<hr/>			<hr/>		
Receipts ...	£120	4	10	£63	15	9
Expenditure ...	£49	16	7	£29	4	9
Profit ...	£70	8	3	£34	11	0
„ ...		32%.			35%.	

A low concrete wall has been made to fix the shelters to, and the capital expenditure of the wall, steps and shelters is £219 : 12 : 8.

The question of the erection of a building on the site of these shelters for their storage in winter, and to be converted into shelters in the summer, is under consideration.

Up to the present it has been impossible to find a suitable site for shelters on the West Beach, which is unfortunate, as they are very much wanted.

A temporary path has been formed at the foot of the east wall to the tent sites, and was much appreciated, and two pairs of steps have been made from the West Promenade to the beach.

The third patrol bathing protection boat was required, owing to the number of bathers, and Mr. Bishop was again engaged as Beach Inspector.

HACKNEY CARRIAGES.

The usual inspection was held on June 10th.

The following Licences were granted :—

			1913	1912	1911
Carriage	Horse	...	39	42	40
Licences	Motor	...	2	2	
Omnibus	Horse	...	9	9	8
Licences	Motor	...	6	3	
Drivers' Licences		...	43	43	46
Omnibus Conductors' and Drivers' Licences		...	39	26	23
Donkeys and Ponies			11	26	29

The Motor Car Service between Sheringham, Cromer and Mundesley was increased by two additional cars, bringing the total up to four, and the route was altered so that the cars served the Suffield Park district.

Owing to the many complaints of the donkey stands on the Runton Road and the East Gangway, these were removed, and a stand provided on the Beach Road. Mr. Watson was again appointed Hackney Carriage Inspector.

FIRE STATION.

The yard to the back of the Station has been made up in flints and repaired.

THE MORTUARY.

This has been twice used during the year.

COUNCIL OFFICES.

The Offices have been repainted and re-decorated, including the insertion of 5 new windows, at a cost of £48 : 2 : 0. Messrs. Crane, Warner & Wilkins were the successful Contractors.

STOREYARD.

A further portion of the roof of the buildings has been strengthened by the insertion of iron tie rods.

Plans were prepared for a furnace to make tar macadam, at an estimated cost of £50, instead of the present system of open burning, but they were not entertained.

REFUSE DESTRUCTOR.

The refuse destructor has worked most satisfactorily, and the fact that no repairs have been necessary—beyond a small item of 9/2—proves that the work was carried out by the contractors (Messrs. Dawson & Manfield, Manchester) in a first class manner, as the plant has now been in daily use (except Sundays) for over 17 months.

I am now able to give the actual cost of the work connected with the erection of the destructor compared with the estimate I prepared for the scheme.

	Cost.			Estimated Cost.		
	£	s.	d.	£	s.	d.
Land and legal expenses	189	10	3	170	0	0
Destructor	1156	15	10	1146	0	0
Road & tipping platform	40	3	3	35	0	0
Fencing	44	12	3	45	0	0
Water service ...	4	2	5	4	0	0
Contingencies ...	11	15	7	100	0	0
	<hr/> £1446 19 7 <hr/>			<hr/> £1500 0 0 <hr/>		

The cost of working the destructor for the twelve months ending December 31st was as follows :—

	£	s.	d.
Wages	88	3	4
Repairs		9	2
Oil, boiler fluid, tools and sundries ...	2	9	7
Water	5	5	9
Rates and taxes	7	11	0
Insurances	3	12	3
	<hr/>		
Total	£107	11	1
Less Sales of tins, iron and clinker ...	15	2	7
	<hr/>		
	92	8	6
Repayment of principal and interest on Loan	125	3	6
	<hr/>		
	£217	12	0
	<hr/>		

HOUSE SCAVENGING.

The collection from each house has been carried out three times a week during the summer months and twice a week for the remainder of the year.

1127 loads of refuse were collected and taken to the destructor. This number compares with 1091 in 1912. The quantity of refuse collected has been increasing since 1909, due chiefly to the larger amount of trade refuse removed, but partly owing to the greater number of houses occupied.

The cost of collection and carting to the destructor was £323 : 3 : 0.

PUBLIC CONVENIENCES.

The exterior walls and retaining wall have been repaired.

CEMETERIES.

The chimney to the new cemetery chapel has been raised.

WEATHER STATION.

The fence has been repaired, the shed re-roofed and the whole painted by direct labour.

COUNCIL COTTAGES.

The fronts have been recoloured, the roofs repaired, and the drains, found defective by a smoke test, made good.

PUBLIC BUILDINGS.

Exits from public buildings have now all been improved, and the question of providing suitable sanitary conveniences in all cases is receiving attention.

ISOLATION HOSPITAL.

Owing to the dampness of the Administrative Block, tenders have been invited for the rendering of the whole of the exterior walls and that of Messrs. Girling & Smith at a cost of £57 : 10 : 0 was accepted. The work is now in hand,

The interior will need doing up during the present year.

The ambulance cab is now in a very bad condition and the purchase of another is under consideration.

BUILDING BYE-LAWS.

	1913	1912	1911
Sets of Plans submitted	27	14	12
Number approved ...	22	14	12
Representing—			
Dwelling-houses ...	3	4	4
Alterations and additions	19	7	7
Outbuildings ...	1	2	1
Motor Garages ...	0	0	0
Public buildings ...	5	3	0
Other „ ...	0	0	0
Stables ...	0	1	0
Workshops ...	0	0	2
	—	—	—
	28	17	14
	—	—	—

27 is the largest number of plans submitted since 1904.

It has been decided that in future, should it be necessary to place any drains under a building, iron pipes will be required.

TEMPORARY BUILDINGS.

	1913	1912	1911
Number of Requisitions received	13	5	4
Number of Buildings erected	13	4	4
Number of Buildings on January 1st, 1913			22
Number of Buildings erected during the year			13
			—
			35
Number of Buildings taken down during the year			1
			—
Number of Buildings on December 31st, 1913			34
			—

I have the honour to be, Gentlemen,

Your obedient servant,

ROBERT CROOME.

March 4th, 1914.

Cromer Fire Brigade.

Report of Chief Officer

For the Year ending 31st December, 1913.

To the Chairman and Members of the Fire Brigade Committee.

GENTLEMEN,

I have to report that during the year the Brigade received two calls, both to fires in the Urban District. The first, to the furniture shop of Messrs. A. H. Fox, Limited, Prince of Wales Road, was of a serious character, considerable damage being done to the stock and to the interior of the building. The Brigade were able to save the structure and to prevent the spreading of the fire to the adjoining buildings.

The second call was to Mr. F. W. Caley's house, North-repps Road, which had been struck by lightning, setting the roof on fire. The Brigade succeeded in getting the fire under quickly and were able to confine it to the upper part of the building. In both cases the charges and expenses were paid by the Insurance Company concerned, and in the latter the owner and tenant sent letters appreciating the work of the Brigade.

All the Brigade hose, standpipes and other fittings have now been converted into instantaneous couplings, and with this exception there has been no alteration in the appliances possessed by the Brigade. Special connections have been provided by the Grand Hotel, Cromer, and the Overstrand Hotel, to enable their hose to be used with that of the Brigade.

In accordance with the decision of the Council, arrangements have been made by which the Church Bells will be rung in case of alarms of fire.

Your Committee have considered the question of the disadvantage under which the Brigade laboured, especially during the summer, by reason of some of the Members being absent from the town and have made arrangements for the formation of a reserve of six men who can be called upon if necessary; they will attend a quarterly drill and be paid a retaining fee of three shillings a quarter.

During the year Mr. W. R. Palmer who had acted as Coachman for the past 25 years resigned his post and Mr. R. Crown was appointed in his place. I should like to place upon record my appreciation of the way in which Mr. Palmer carried out his duties.

The conduct of the Brigade has been satisfactory, and I have pleasure in acknowledging the assistance at all times rendered by the Lieutenants and the Fire Alarm Superintendent.

I am, Gentlemen,

Your obedient servant,

J. K. FROST,

Captain.

REPORT

OF

Waterworks Department

For the Year ending 31st March, 1913.

STATISTICS.

CAPITAL OUTLAY.

	£	s.	d.
Cost of Works to 31st March, 1912	103,035	4	0
Expenditure in year		14	16 9
Total	£103,050	0	9

LOANS.

Interest and Charge for Loans.

	Rate of Interest.	Date of Payment.
£68,294 16 10	£3 $\frac{3}{4}$	1952
32,600 0 0	3 $\frac{5}{8}$	1963
1,400 0 0	3 $\frac{5}{8}$	1945
252 0 0	3 $\frac{3}{4}$	Repaid
500 0 0	3 $\frac{3}{4}$	1940

Annual Charge (irrespective of additional Loans required)—

Until the year 1940	...	£4553	0 10	per annum.
From 1940 to 1945	...	4525	2 8	,,
From 1945 until 1952	...	4456	11 2	,,
From 1952 to 1963	...	1368	0 8	,,

WATER SUPPLY.

Estimated supply—

Metton Works	...	730,000	gallons per day.
Cromer	,,	200,000	,,

Total 930,000

Allowing 30 gallons per head the supply is sufficient for a population of 31,000.

STORAGE.

Storage provided—

No. 1.	Aylmerton Reservoir	1,000,000	gallons.
2.	Cromer „	600,000	„
3.	„ „	120,000	„
4.	Water Tower	50,000	„
		<hr/>	
		1,770,000	„
		<hr/>	

MAINS.

	Public Mains.		Private Mains.	
	M.	Y.	M.	Y.
Mileage to 31st March, 1912	21	1484	1	1224
Added in year	—	—	—	—
Total		<hr/>	<hr/>	<hr/>
		21 1484	1 1224	

ABSTRACT OF WORKING STATEMENT.

For the Year ending 31st March, 1913.

Quantity of Water supplied—

Metton Works	76,177,000	
Cromer „	1,724,000	
<hr/>		Gallons.
		77,901,000

Average No. of Inhabited Houses supplied 1370 houses.

Estimated population supplied	}	7700
(Equated for Season and Non-Season Months)		

†Average daily supply for Domestic purposes only	Gallons.
	173,000

Average daily supply for other purposes ...	Gallons.
	40,000

Total average daily supply	<hr/>
	213,000

†Average daily supply per house for Domestic purposes only	126
---	-----

†Average daily supply per head for Domestic purposes only	22
--	----

	Per Million Galls.	Per Thousand Galls.
Capital employed	£1321·21	£1·32

	Tons.	Cost.	Average price per ton.
Coal used	312	£372	£1 3 10

†NOTE.—This includes the water used for Boilers, Flushing Mains and Fire Extinguishing, for which no allowance is made.

REVENUE ACCOUNT, 1912=13.

Items.	Amount.		Price per 1000 galls.		Per cent. on Income.	
	£	£	Pence	Pence		
GROSS INCOME	4972		15·32		104·37	
Less Empties & Allowances	208		0·64		4·37	
		4764		14·68		100·00
EXPENDITURE.						
Pumping ...	557		1·71		11·69	
Maintenance ..	184		0·57		3·86	
Main Repairs including Inspection ...	126		0·39		2·65	
Rates and Taxes...	354		1·09		7·43	
Management ...	185		0·57		3·88	
		1406		4·33		29·51
PROFIT. ..		3358		10·35		70·49
Loan Charges ...		4553		14·03		95·57
Deduct profit ...		3358		10·35		70·49
Charge on District Rate ...		1195		3·68		25·08

J. K. FROST,
Clerk.